

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

L Number	Hits	Search Text	DB	Time stamp
1	0	jrichardson.xa.	USPAT	2004/05/19 14:22
2	634	richardson.xa.	USPAT	2004/05/19 14:23
4	0	(richardson.xa. and (john)) and (clay)	USPAT	2004/05/19 14:23
5	0	(richardson.xa. and (john)) and (claythrower)	USPAT	2004/05/19 14:23
6	0	(richardson.xa. and (john)) and (clay adj target)	USPAT	2004/05/19 14:24
3	202	richardson.xa. and (john)	USPAT	2004/05/19 14:30
7	0	(richardson.xa. and (john)) and (august adj "2002")	USPAT	2004/05/19 14:41
8	7	((("2994313") or ("3926170") or ("3601112") or ("4501082") or ("5226622") or ("5605139") or ("6058641"))).PN.	USPAT	2004/05/19 15:05
9	0	((("GB947860") or ("FR2442009"))).PN.	USPAT; EPO;	2004/05/19 14:44
10	0	GB947860.pn.	DERWENT USPAT; EPO; JPO;	2004/05/19 14:45
11	0	FR2442009.pn.	DERWENT; IBM_TDB USPAT; EPO; JPO;	2004/05/19 14:45
12	22	((("1187325"   "1639722"   "2079510"   "2821117"   "3125929"   "3225656"   "3711984"   "4266748"   "4506466"   "5060410"   "5149900"   "5173563"   "5271175"   "5287643"   "5347740"   "5414949"   "5421115"   "5481817"   "5491921"   "5715625"   "5833308"   "5884966")).PN.	IBM_TDB USPAT	2004/05/19 14:45
13	3	6058641.URPN.	USPAT	2004/05/19 14:48
14	7	((("0829963"   "2267525"   "2432446"   "2455661"   "2711163"   "3971357"   "4005695")).PN.	USPAT	2004/05/19 14:49
15	1	5605139.URPN.	USPAT	2004/05/19 14:51
16	1	6062207.URPN.	USPAT	2004/05/19 14:51
17	8	((("2193266"   "3533392"   "3601112"   "3880135"   "3924600"   "3951125"   "4481932"   "5605139")).PN.	USPAT	2004/05/19 14:51
18	3	2193266.URPN.	USPAT	2004/05/19 14:54
19	8	3601112.URPN.	USPAT	2004/05/19 14:54
20	75	affleck-\$.in.	USPAT; EPO; JPO;	2004/05/19 15:09
21	3277867	GB "947860"	DERWENT; IBM_TDB USPAT; EPO; JPO;	2004/05/19 15:09
22	47	(GB "947860") and (Affleck)	DERWENT; IBM_TDB USPAT; EPO; JPO;	2004/05/19 15:10

L Number	Hits	Search Text	DB	Time stamp
1	0	jrichardson.xa.	USPAT	2004/05/19 14:22
2	634	richardson.xa.	USPAT	2004/05/19 14:23
4	0	(richardson.xa. and (john)) and (clay)	USPAT	2004/05/19 14:23
5	0	(richardson.xa. and (john)) and (claythrower)	USPAT	2004/05/19 14:23
6	0	(richardson.xa. and (john)) and (clay adj target)	USPAT	2004/05/19 14:24
3	202	richardson.xa. and (john)	USPAT	2004/05/19 14:30
7	0	(richardson.xa. and (john)) and (august adj "2002")	USPAT	2004/05/19 14:41
8	7	((("2994313") or ("3926170") or ("3601112") or ("4501082") or ("5226622") or ("5605139") or ("6058641"))).PN.	USPAT	2004/05/19 15:05
9	0	((("GB947860") or ("FR2442009"))).PN.	USPAT; EPO;	2004/05/19 14:44
10	0	GB947860.pn.	DERWENT USPAT; EPO; JPO;	2004/05/19 14:45
11	0	FR2442009.pn.	DERWENT; IBM_TDB USPAT; EPO; JPO;	2004/05/19 14:45
12	22	((("1187325"   "1639722"   "2079510"   "2821117"   "3125929"   "3225656"   "3711984"   "4266748"   "4506466"   "5060410"   "5149900"   "5173563"   "5271175"   "5287643"   "5347740"   "5414949"   "5421115"   "5481817"   "5491921"   "5715625"   "5833308"   "5884966")).PN.	IBM_TDB USPAT	2004/05/19 14:45
13	3	6058641.URPN.	USPAT	2004/05/19 14:48
14	7	((("0829963"   "2267525"   "2432446"   "2455661"   "2711163"   "3971357"   "4005695")).PN.	USPAT	2004/05/19 14:49
15	1	5605139.URPN.	USPAT	2004/05/19 14:51
16	1	6062207.URPN.	USPAT	2004/05/19 14:51
17	8	((("2193266"   "3533392"   "3601112"   "3880135"   "3924600"   "3951125"   "4481932"   "5605139")).PN.	USPAT	2004/05/19 14:51
18	3	2193266.URPN.	USPAT	2004/05/19 14:54
19	8	3601112.URPN.	USPAT	2004/05/19 14:54
20	75	affleck-\$.in.	USPAT; EPO; JPO;	2004/05/19 15:09
21	3277867	GB "947860"	DERWENT; IBM_TDB USPAT; EPO; JPO;	2004/05/19 15:09
22	47	(GB "947860") and (Affleck)	DERWENT; IBM_TDB USPAT; EPO; JPO;	2004/05/19 15:10

L Number	Hits	Search Text	DB	Time stamp
1	5272	"trailer hitch"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:28
2	1	"trailer hitch" and (gun adj mount)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:29
3	0	"trailer hitch" and (clay adj thrower)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:29
4	4	"trailer hitch" and ( thrower)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:29
5	0	6684550.URPN.	USPAT	2004/05/19 15:31
6	11	("3910249"   "3949728"   "D247365"   "4576395"   "4867356"   "5451088"   "5489110"   "5775560"   "5933999"   "6173705"   "6269578").PN.	USPAT	2004/05/19 15:31
-	0	jrichardson.xa.	USPAT	2004/05/19 14:22
-	634	richardson.xa.	USPAT	2004/05/19 14:23
-	0	(richardson.xa. and (john)) and (clay)	USPAT	2004/05/19 14:23
-	0	(richardson.xa. and (john)) and (claythrower)	USPAT	2004/05/19 14:23
-	0	(richardson.xa. and (john)) and (clay adj target)	USPAT	2004/05/19 14:24
-	202	richardson.xa. and (john)	USPAT	2004/05/19 14:30
-	0	(richardson.xa. and (john)) and (august adj "2002")	USPAT	2004/05/19 14:41
-	7	(("2994313") or ("3926170") or ("3601112") or ("4501082") or ("5226622") or ("5605139") or ("6058641")).PN.	USPAT	2004/05/19 15:05
-	0	(("GB947860") or ("FR2442009")).PN.	USPAT; EPO; DERWENT	2004/05/19 14:44
-	0	GB947860.pn.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 14:45
-	0	FR2442009.pn.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 14:45
-	22	("1187325"   "1639722"   "2079510"   "2821117"   "3125929"   "3225656"   "3711984"   "4266748"   "4506466"   "5060410"   "5149900"   "5173563"   "5271175"   "5287643"   "5347740"   "5414949"   "5421115"   "5481817"   "5491921"   "5715625"   "5833308"   "5884966").PN.	USPAT	2004/05/19 14:45
-	3	6058641.URPN.	USPAT	2004/05/19 14:48
-	7	(("0829963"   "2267525"   "2432446"   "2455661"   "2711163"   "3971357"   "4005695").PN.	USPAT	2004/05/19 14:49
-	1	5605139.URPN.	USPAT	2004/05/19 14:51
-	1	6062207.URPN.	USPAT	2004/05/19 14:51
-	8	(("2193266"   "3533392"   "3601112"   "3880135"   "3924600"   "3951125"   "4481932"   "5605139").PN.	USPAT	2004/05/19 14:51
-	3	2193266.URPN.	USPAT	2004/05/19 14:54
-	8	3601112.URPN.	USPAT	2004/05/19 14:54
-	75	affleck-\$.in.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:09
-	3277867	GB "947860"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:09

-	47	(GB "947860") and (Affleck)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:28
---	----	-----------------------------	--	------------------

L Number	Hits	Search Text	DB	Time stamp
-	0	jrichardson.xa.	USPAT	2004/05/19 14:22
-	634	richardson.xa.	USPAT	2004/05/19 14:23
-	0	(richardson.xa. and (john)) and (clay)	USPAT	2004/05/19 14:23
-	0	(richardson.xa. and (john)) and (claythrower)	USPAT	2004/05/19 14:23
-	0	(richardson.xa. and (john)) and (clay adj target)	USPAT	2004/05/19 14:24
-	202	richardson.xa. and (john)	USPAT	2004/05/19 14:30
-	0	(richardson.xa. and (john)) and (august adj "2002")	USPAT	2004/05/19 14:41
-	7	((("2994313") or ("3926170") or ("3601112") or ("4501082") or ("5226622") or ("5605139") or ("6058641"))).PN.	USPAT	2004/05/19 15:05
-	0	((("GB947860") or ("FR2442009"))).PN.	USPAT; EPO; DERWENT	2004/05/19 14:44
-	0	GB947860.pn.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 14:45
-	0	FR2442009.pn.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 14:45
-	22	((("1187325"   "1639722"   "2079510"   "2821117"   "3125929"   "3225656"   "3711984"   "4266748"   "4506466"   "5060410"   "5149900"   "5173563"   "5271175"   "5287643"   "5347740"   "5414949"   "5421115"   "5481817"   "5491921"   "5715625"   "5833308"   "5884966"))).PN.	USPAT	2004/05/19 14:45
-	3	6058641.URPN.	USPAT	2004/05/19 14:48
-	7	((("0829963"   "2267525"   "2432446"   "2455661"   "2711163"   "3971357"   "4005695"))).PN.	USPAT	2004/05/19 14:49
-	1	5605139.URPN.	USPAT	2004/05/19 14:51
-	1	6062207.URPN.	USPAT	2004/05/19 14:51
-	8	((("2193266"   "3533392"   "3601112"   "3880135"   "3924600"   "3951125"   "4481932"   "5605139"))).PN.	USPAT	2004/05/19 14:51
-	3	2193266.URPN.	USPAT	2004/05/19 14:54
-	8	3601112.URPN.	USPAT	2004/05/19 14:54
-	75	affleck-\$.in.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:09
-	3277867	GB "947860"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:09
-	47	(GB "947860") and (Affleck)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:28
-	5272	"trailer hitch"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:28
-	1	"trailer hitch" and (gun adj mount)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:29
-	0	"trailer hitch" and (clay adj thrower)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:29
-	4	"trailer hitch" and ( thrower)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/05/19 15:29
-	0	6684550.URPN.	USPAT	2004/05/19 15:31

-	11	("3910249"   "3949728"   "D247365"   "4576395"   "4867356"   "5451088"   "5489110"   "5775560"   "5933999"   "6173705"   "6269578").PN.	USPAT	2004/05/19 15:31
---	----	---	-------	------------------